



Water-Data Report 2008

12102075 CLARKS CREEK AT TACOMA ROAD, NEAR PUYALLUP, WA

Puget Sound Basin
Puyallup Subbasin

LOCATION.--Lat 47°11'52", long 122°20'10" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.30, T.20 N., R.4 E., Pierce County, WA, Hydrologic Unit 17110014, on right bank, upstream side of private bridge at end of Tacoma Road, 2.0 miles northwest of Puyallup, and at mile 1.6.

DRAINAGE AREA.--13 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1992 to February 1995 (discharge measurements only). March 1995 to September 2008 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records poor. Numerous agricultural, municipal, and domestic diversions upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--13 years (water year 1996-2008), 58.1 ft³/s, 60.73 in/yr, 42,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303 ft³/s, Nov. 07, 2006, elevation 25.10 ft; maximum elevation, 25.60 ft, Feb. 8 or 9, 1996, (backwater from Puyallup River); minimum daily discharge, 33 ft³/s, June 26-29, 1995, July 14, 19, 21, 23, 2004; July 4, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 196 ft³/s, Dec. 3, elevation, 23.26 ft; minimum discharge, 41 ft³/s, Sept. 14-17.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60	55	63	57	64	62	55	56	62	50	48	45
2	71	54	110	65	59	52	53	56	62	51	47	45
3	64	54	165	63	56	52	54	59	70	60	46	45
4	51	55	114	61	53	51	56	58	65	54	45	44
5	49	55	83	60	62	51	54	56	65	54	45	45
6	50	55	67	59	61	51	59	57	66	53	46	46
7	55	56	62	60	74	51	58	58	62	52	46	46
8	52	56	59	67	70	51	55	57	59	51	46	44
9	51	57	58	60	88	51	55	57	61	50	47	45
10	53	63	57	85	71	52	54	57	59	51	47	44
11	51	57	56	85	61	56	54	57	58	51	47	44
12	51	64	56	70	58	52	54	56	57	51	47	44
13	51	59	57	60	56	63	55	58	56	51	46	43
14	51	58	57	65	54	63	56	57	57	50	46	43
15	51	63	62	61	53	57	54	57	55	52	45	43
16	52	72	58	57	52	55	53	57	56	52	46	43
17	54	76	e60	55	53	56	55	58	58	52	46	43
18	56	66	63	55	52	54	55	57	58	51	49	44
19	69	62	74	56	52	55	56	57	56	53	48	46
20	101	60	73	56	51	56	56	63	55	52	53	48
21	62	59	59	54	51	55	57	60	54	52	52	47
22	57	58	62	53	51	54	59	60	54	52	49	46
23	56	59	75	53	50	61	61	60	54	52	48	46
24	56	58	73	53	50	56	57	60	55	52	52	47
25	55	58	63	52	49	55	57	60	54	52	51	48
26	55	61	61	55	50	63	55	60	51	52	48	48
27	56	62	64	54	50	61	56	61	51	52	50	46
28	55	61	67	54	51	64	59	61	50	51	46	47
29	55	68	62	60	57	62	58	61	49	52	46	46
30	55	62	66	57	---	57	56	61	50	53	47	47
31	54	---	59	65	---	55	---	62	---	49	46	---
Total	1,759	1,803	2,165	1,867	1,659	1,734	1,676	1,814	1,719	1,610	1,471	1,358
Mean	56.7	60.1	69.8	60.2	57.2	55.9	55.9	58.5	57.3	51.9	47.5	45.3
Max	101	76	165	85	88	64	61	63	70	60	53	48
Min	49	54	56	52	49	51	53	56	49	49	45	43
Ac-ft	3,490	3,580	4,290	3,700	3,290	3,440	3,320	3,600	3,410	3,190	2,920	2,690
Cfsm	4.36	4.62	5.37	4.63	4.40	4.30	4.30	4.50	4.41	4.00	3.65	3.48
In.	5.03	5.16	6.20	5.34	4.75	4.96	4.80	5.19	4.92	4.61	4.21	3.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	55.8	65.5	67.7	65.8	60.6	58.4	58.0	54.5	51.4	50.3	51.9	51.4
Max	68.0	96.4	92.2	83.3	88.8	87.6	82.3	77.6	67.9	66.2	66.3	64.6
(WY)	(1998)	(2007)	(2007)	(1997)	(1996)	(1997)	(1997)	(1997)	(1998)	(1999)	(1997)	(1997)
Min	43.1	50.5	48.9	55.4	46.9	41.5	42.9	38.7	37.1	35.1	38.5	36.7
(WY)	(2006)	(2006)	(2004)	(2005)	(2005)	(2006)	(2004)	(2005)	(2005)	(2004)	(2005)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1995 - 2008	
Annual total	22,338		20,635			
Annual mean	61.2		56.4		58.1	
Highest annual mean					73.8	1997
Lowest annual mean					45.8	2005
Highest daily mean	165	Dec 3	165	Dec 3	272	Nov 7, 2006
Lowest daily mean	43	Aug 31	43	Sep 13	33	Jun 26, 1995
Annual seven-day minimum	44	Sep 5	43	Sep 11	34	Jul 19, 2004
Annual runoff (ac-ft)	44,310		40,930		42,100	
Annual runoff (cfsm)	4.71		4.34		4.47	
Annual runoff (inches)	63.92		59.05		60.73	
10 percent exceeds	71		64		74	
50 percent exceeds	59		55		56	
90 percent exceeds	49		46		43	

